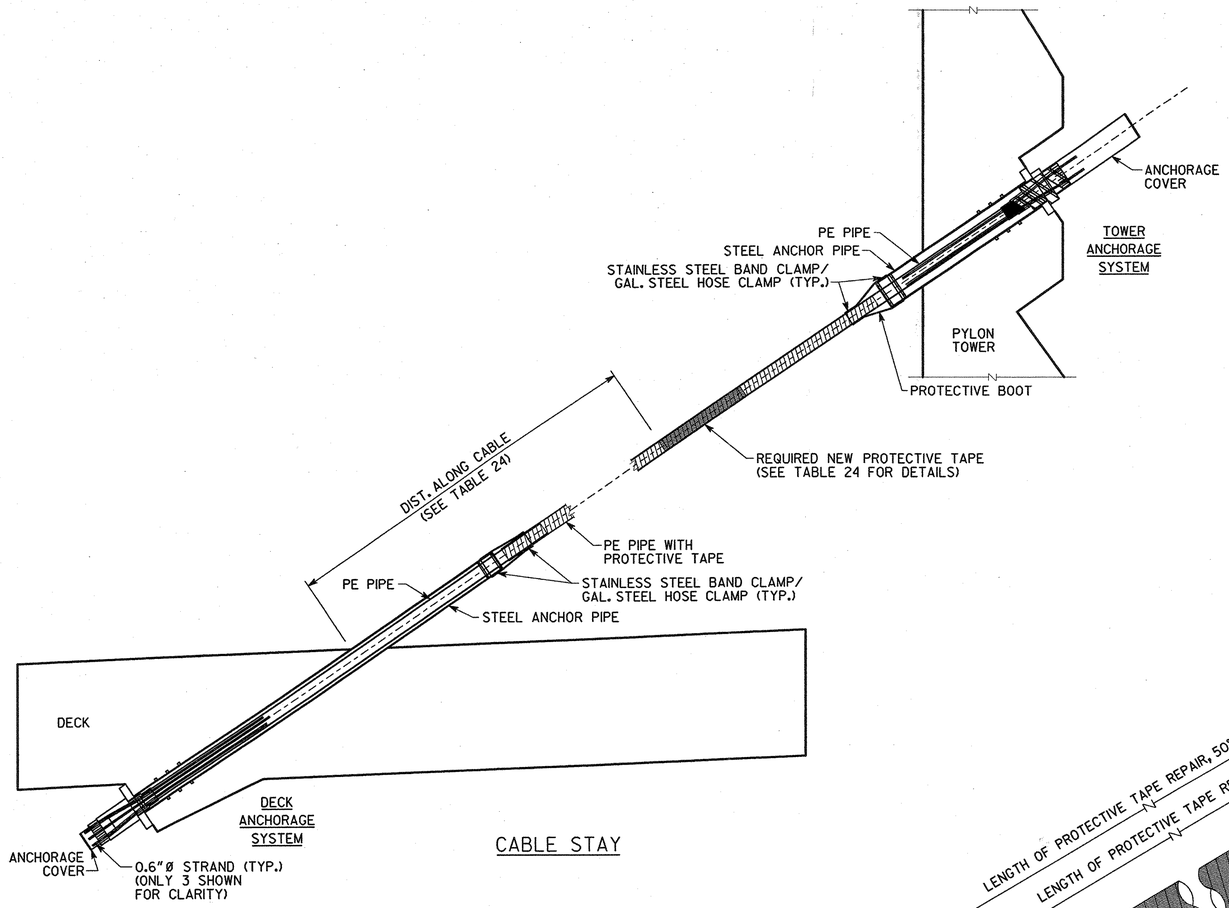
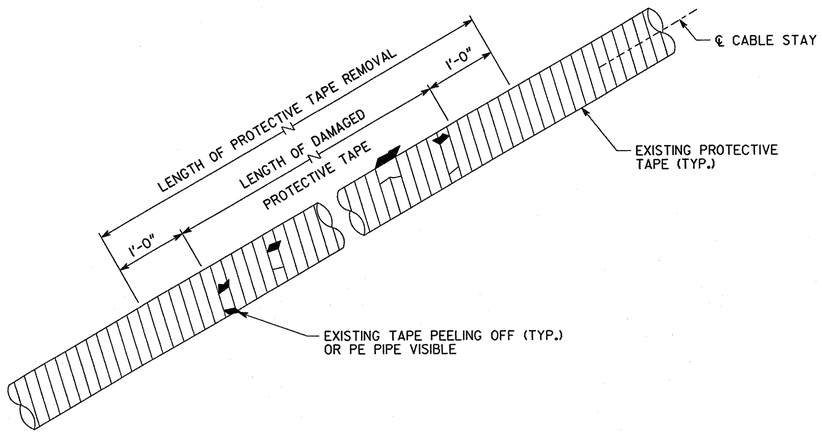
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GEORGIA	CSNHS-M002-00 (373)	21	26



CABLE STAY

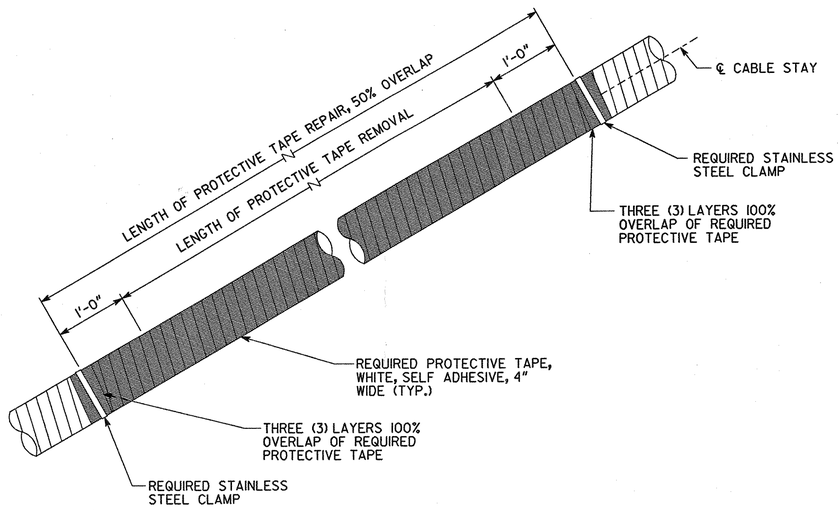


EXISTING PROTECTIVE TAPE DETAIL

TABLE 24
DAMAGED PROTECTIVE TAPE

CABLE NO.	DAMAGED LENGTH	DIST. ALONG CABLE
SE21	1'±	16'±
SE35	20'±	30'±
NE37	4"±	15'±
NE49	1/4"±	10'±
NE50	1/4"±	10'±
NE51	4"±	15'±
NE57	15"±	20'±
NE59	23"±	30'±
NW59	3/4"±	5'±

(1) THE NUMBER OF LOCATIONS, DAMAGED LENGTH AND DIST. ALONG CABLE ARE BASED ON VISUAL ESTIMATES CONDUCTED DURING THE 2001 FIELD INSPECTION, AND ARE PROVIDED FOR REFERENCE ONLY. ACTUAL REPAIR LENGTHS AND LOCATIONS TO BE DETERMINED BY THE ENGINEER. DIST. ALONG CABLE IS ESTIMATED AS THE LINEAR DISTANCE ALONG THE STAY CABLE MEASURED FROM THE TOP OF THE EDGE GIRDER TO THE LIMIT OF THE DAMAGED AREA.



PROTECTIVE TAPE REPAIR

REPAIR LEGEND

REPAIR	DESCRIPTION
(1)	STEEL ANCHOR PIPE CRACK REPAIR
(2)	HEAT STRAIGHTENING OF STEEL ANCHOR PIPE
(3)	REMOVAL OF EXISTING PROTECTIVE BOOTS, STEEL KEEPER RINGS AND WASHERS
(4)	INSTALLATION OF NEW WASHERS AND STEEL KEEPER RINGS
(5)	PROTECTIVE BOOT RETROFIT
(6)	MISCELLANEOUS CONCRETE REPAIRS
(7)	TIE-DOWN BOOT REPAIR
(8)	MISCELLANEOUS ELECTRICAL REPAIRS
(9)	CABLE STAY PROTECTIVE TAPE REPAIR

SUGGESTED SEQUENCE
REPAIR ITEM (9) PROTECTIVE TAPE REPAIR

CARE SHALL BE TAKEN NOT TO DAMAGE ANY PART OF THE CABLE STAY OR THE ANCHORAGE DURING THIS REPAIR. IF ANY DAMAGED IS CAUSED TO THE PROTECTIVE TAPE DUE TO THE CONTRACTOR'S OPERATIONS, THE DAMAGED TAPE SHALL BE REPAIRED AT NO ADDITIONAL COST. THE SUGGESTED SEQUENCE OF CONSTRUCTION FOR THE PROTECTIVE TAPE REPAIR SHALL BE AS FOLLOWS:

1. REMOVE THE EXISTING PROTECTIVE TAPE FROM 12" BEYOND THE LENGTH OF THE DAMAGED PROTECTIVE TAPE.
2. CLEAN THE SURFACE OF THE CABLE 12" BEYOND THE LENGTH OF THE PROTECTIVE TAPE REMOVAL AREA WITH COMMERCIAL WINDOW CLEANER. USING CLEAN RAGS, WIPE THE CABLE SURFACE AND ALLOW IT TO COMPLETELY DRY BEFORE PROCEEDING.
3. CUT THE END OF THE NEW PROTECTIVE TAPE TO A FULL SEMI-CIRCLE.
4. START WRAPPING THE NEW PROTECTIVE TAPE 12" BELOW THE TAPE REMOVAL AREA WITH THREE LAYERS OF 100% OVERLAP. THE WRAPPING SHALL BE DONE USING A TAPE WRAPPING MACHINE.
5. PROCEED UPWARDS BY HELICALLY WRAPPING THE NEW PROTECTIVE TAPE WITH A 50% OVERLAP.
6. CONTINUE WRAPPING THE NEW PROTECTIVE TAPE FOR 12" ABOVE THE TAPE REMOVAL AREA. FINISH THE WRAP WITH THREE LAYERS OF 100% OVERLAP OF THE TAPE.
7. CUT THE END OF THE NEW PROTECTIVE TAPE INTO A FULL SEMI-CIRCLE.
8. USE STAINLESS STEEL CLAMPS TO CLAMP THE START AND END OF THE PROTECTIVE TAPE REPAIR.

NOTES

1. FOR GENERAL NOTES, SEE SHEET NO. 7.
2. THE APPROXIMATE LOCATIONS AND DIMENSIONS PROVIDED IN TABLE 24 ARE FOR REFERENCE ONLY. THESE LOCATIONS AND DIMENSIONS SHALL NOT BE USED FOR CONDUCTING THE ACTUAL REPAIRS. ALL REPAIR LOCATIONS SHALL BE IDENTIFIED AT THE DIRECTION OF THE ENGINEER AND ALL DIMENSIONS AND REPAIR LENGTHS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. SEE GENERAL NOTES ON SHEET NO. 7.
3. THE NEW PROTECTIVE TAPE SHALL BE POLY-VINYL-FLOURIDE (PVF) 4" WIDE TAPE.
4. THE NEW PROTECTIVE TAPE SHALL BE WHITE IN COLOR, AND SHALL HAVE PRESSURE SENSITIVE ADHESIVE ON ONE SIDE AND BE LAMINATED TO A RELEASE LINER-CARRIER WHICH SHALL SEPARATE SMOOTHLY FROM THE TAPE WITHOUT TEARING.
5. THE NEW PROTECTIVE TAPE SHALL BE SELF-EXTINGUISHING AFTER EXPOSURE TO FLAME.

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GEORGIA
DEPARTMENT OF TRANSPORTATION
OPERATIONS DIVISION-OFFICE OF MAINTENANCE

CABLE STAY PROTECTIVE TAPE REPAIR
TALMADGE MEMORIAL BRIDGE RETROFIT
CHATHAM COUNTY CSNHS-M002-00 (373)

NO SCALE MARCH 2006

BY	REVISIONS	DATE

DESIGNED K.J.B. CHECKED T.S. REVIEWED
DRAWN R.B.H. DESIGN GROUP MAINTENANCE APPROVED

BRIDGE SHEET 21 OF 26

2189TAPE.DGN